

THREAD DATA SHEET

MORGANTOWN FIRE DEPARTMENT

DATE-10-13-75 THREAD DESIGNATION- MORGANTOWN, WEST VIRGINIA
SIZE: NOMINAL- 2 1/2" BASIC- 3.0580" TOLERANCE: PLUS- .0 MINUS- .032"
T.P.I.- 6 THREAD FORM- AMERICAN NATIONAL CLASS- N/A PITCH- .1667"
BASIC THREAD HEIGHT- .1083" BASIC FLAT/RADIUS: CREST- .0208" ROOT- .0208"
CLEARANCE: MAXIMUM- .0751" MINIMUM- .0461" INCLUDED ANGLE- 60 DEGREES
TYPE LEAD- SINGLE FIT- C LEAD ERROR AND FLANK-ANGLE DEVIATION*

LIMITS OF SIZE

<u>EXTERNAL</u>		<u>INTERNAL</u>
<u>3.0580"</u>	MAXIMUM MAJOR DIAMETER	_____
<u>3.0260"</u>	MINIMUM MAJOR DIAMETER	<u>3.1040"</u>
<u>2.9497"</u>	MAXIMUM PITCH DIAMETER	<u>3.0088"</u>
<u>2.9337"</u>	MINIMUM PITCH DIAMETER	<u>2.9957"</u>
<u>2.8415"</u>	MAXIMUM MINOR DIAMETER	<u>2.9165"</u>
(REF) _____	MINIMUM MINOR DIAMETER	<u>2.8875"</u>

*THE DIAMETER EQUIVALENT OF THE VARIATION IN ANY GIVEN ELEMENT (EXCEPT PITCH DIAMETER) SHALL NOT EXCEED ONE-HALF OF THE PITCH DIAMETER TOLERANCE. LEAD AND FLANK-ANGLE ARE THREAD ELEMENTS.